

Minutes of the IPT Meeting of May 5, 2004

Attendees: DOE-PSO G. Pitonak
DOE HQ G. Nardella, S. Meador
ORNL J. Lyon
PPPL H. Neilson, J. Levine, J. Schmidt,
R. Templon, J. Malsbury, R. Strykowski,

1. DOE news (Gene/Sam)

OFES needs proposal for top level performance goals for FY06. Will also need some quarterly Joule milestones for FY05. PAC meeting tentatively set for mid-July. Plans for formation of NCSX collaborative team are being developed.

2. Safety Management (Hutch/Jerry)

No safety issues or concerns. Coil Test Facility hazard analysis is being drafted and after review will go to Lab safety Review Committee. Start up and ORA plans being developed by Gentile.

3. Planning for upcoming reviews (All)

Hutch has modified the sequence of planned review activities leading to CD3. (see attached). IPT agreed that logic is appropriate. All FDR related items are on track for May 19-20 review. For IPR (Lehman) review. Hutch proposed addition of Gentile to agenda. Formal DOE announcement was issued May 6, 2004. As with prior reviews, the project will post all backup info & presentations on website for reviewers. We will notify them when available for their advance use. They will also have hard copy of presentation material at the review and access to the rest of the info if needed.

4. Project performance thru April & PARS issues (Ron)

April data not yet available, expected next week. End of March data status is $CPI=0.96$ and $SPI=0.94$. ACWP was ~\$1.5M for April - best yet - vs. BCWS of ~\$1.4M. Status of near term level II & level III milestones was reviewed & they are on track. No PARS issues. We need to schedule briefing for Anne prior to April data entry. Shoot for week of 5/17.

5. ECP status and history (Greg)

ECP-04-006 was approved and is posted. Not all requests for contingency were approved. Contingency provided for new scope related to design of VV diagnostic port additions and configuration changes + added safety requirements to coil test facility (\$630K). Other increases due to re-estimates of existing work covered by management reserve and will result in variances. ECP-04-007 in prep and will cover only technical changes. ECP-04-008 in draft and will cover technical baseline changes including M&S costs associated with ECP-04-006 when these costs are known.

6. Management reserve status & planning (Hutch/Ron)

Recommended MR action plan has been concurred by the IPT - involves advancing some scope (D site transmission lines, AC power to test cell, NB design/testing). Also involves assigning \$800K to GSO and \$400K free balance.

7. Project technical progress/issues (Hutch/Wayne)

Design activities continue in support of the May FDR. Drawings are in the process of being promoted to final design status.

Static properties have been measured. In cyclic testing, potted conductor performed well for 130k cycles at 2X operating stress. Analysis shows mod coil deflections are ok for field errors, and confirms that "wings" will need support. More cyclic testing will be needed post-FDR.

One MCWF is nearly ready to machine, the other vendor will pour next week. Proposals are due NLT 7/2. Cost could be an issue.

VV proposals due NLT 6/28. Cost also an issue.

Coil test facility for power testing of modular coils at cryogenic temperatures was installed in the TFTR basement. Scope expanded to satisfy testing requirements, controls, & safety. Twisted racetrack being machined, and conductor has arrived. Romer arm delivered. Materials testing continues. Chill plate manufacture and tolerances are of concern.

C-site power supply option is not looking promising - final decision shortly.

8. Procurement planning (Templon)

Working on a final Procurement Plan covering the entire project as recommended during prior reviews. Meetings are being held between procurement and NCSX tech staff to promote clear and timely communication & to make sure requirements and schedules are known. New business systems software kicks in today. Need to investigate whether use of incentives would be of benefit in major procurement subcontracts. There are pluses & minuses, but should keep the option open.

9. Cost & schedule risks related to MCWF & VV procurements (Hutch/Ron)

The impact to the project of a big cost hit on either or both of the upcoming production awards for MCWF & VV was discussed. Besides the obvious reduction to contingency which would result from this, we should probably understand the exact "breaking point" for the project critical path and what, if any, mitigation plans could be implemented should the proposals be worst case. The project is working on this and there are options available - most likely defer some non-critical path work or stretch out the delivery schedules on VV & MCWF. More detailed analysis will follow.

Added discussion items (Judy):

New QA hire and some PT assistance from engineering should help expedite upcoming actions. Also, DCMA agreement is in place and 1st task order has been placed.

10. Next meeting - Weds May 26, 2004 at 11AM.

PPPL participants will meet in the DOE conference room.

Call-in number for 5/26/04 is 301-903-6257.

Thanks for your participation.

Greg